# APR 19 1961 sweaters - swim suits - infantswear - knit fabrics - pole shirts - gloves - headwear LIBRARY CHARLOTTESVILLE MA

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Vol. 30

MONDAY, APRIL 10, 1961

No. 15

# Wool

# Knit Yarn Output At 1,200,000 Lbs.

WASHINGTON, D. C. — pun wool knitting yarns proluced in 1960 totaled 51.2 
nillion pounds, the Agricultural 
Marketing Service, U.S. Department of Agriculture reported in 
ts periodic review of the wool 
ituation. Of the total poundage 
of wool knitting yarn turned out 
ast year, 37.8 million pounds 
was processed on the worsted 
ystem and 13.4 million pounds 
the woolen system.

U.S. mill consumption of raw wool on the woolen and worsted ystems during 1960 totaled 04.2 million pounds, scoured pass, six per cent less than the 29.2 million pounds in 1959, but two per cent more than the 1955-59 average. The average weekly rate of use was 7,773 housand pounds compared with 3,255 thousand pounds in 1959.

Raw Wool Consumption
Raw wool consumed in coton system spinning amounted
o 4.7 million pounds in 1960
compared with 6.1 million
ounds in 1959. In addition,
bout five million pounds of raw
wool was probably used in the
orduction of pressed felt. Thus,
otal 1960 mill use of raw wool
mounted to approximately 415
million pounds compared with
bout 440 million pounds in

Apparel wool mill consumption totaled 243.8 million ounds, scoured basis, in 1960. This was seven per cent less han 1959 and six per cent less han the 1955-59 average. December 1960 apparel wool se amounted to 17.4 million

pounds compared with 20.5 million pounds in December 1959.

The seasonally adjusted average weekly rate of apparel wool mill consumption for December 1960 was 4,124 thousand pounds, six per cent less than November 1960 and 15 per cent less than the same month a year earlier. The seasonally adjusted average weekly rate for December was the lowest since July 1958.

### Apparel Wool

The worsted system's share of apparel wool consumption was about the same in 1960 as 1959 but more than 1958 and the highest since 1953. It accounted for 54.4 per cent of the apparel wool consumed in 1960 and 1959 compared with 52.2 per cent in 1958 and 57.5 per cent in 1953.

Grades of apparel wool used in 1960 shifted slightly from those of a year earlier. The use of apparel wools in the grades 50's up to 60's increased, that of wool 60's and finer and 48's and coarser decreased. More of the finer grades of wool were used in the woolen system last year than previously, but in the worsted system more of the medium grades were used. In the spinning of yarns on the woolen system, the use of wool grading 60's and finer increased in 1960 while those grading 58's and coarser decreased. In the spinning of yarns on the worsted system, the use of wool grading 50's up to 60's increased, while those grading 60's and finer decreased.

Pulled wool production in 1960 amounted to 33,600,000 pounds, actual weight, three per cent less than 1959.

# Technologists' Seminar To Evaluate Developments At Knitting Arts Show

The significance of new developments in knitting technology demonstrated at the 45th Knitting Arts Exhibition in Atlantic City will be interpreted in a series of papers to be delivered at a technical seminar to be conducted by the American Society of Knitting Technologists. The meeting addressed to outerwear,

# Banqueteers May Need Reservations In Rafters

Both balconies of the Grand Ballroom of the Waldorf-Astoria will be used to accommodate the capacity crowd at the 43rd annual banquet of the National Knitted Outerwear Association.

Edward A. Brandwein, secretary of the banquet committee, announced that those attending the April 20 affair will be from every part of the U.S., Latin America, Canada and Europe.

Myron Cohen, nightclub and television star and one-time textile and apparel salesman, will be the master of ceremonies.

# Men's Sweater Shipments Down 14% From January

WASHINGTON, D. C.— Shipments of men's sweaters declined 14 per cent in February compared to January and 39 per cent compared to February of last year, the Census Bureau reported.

Shipments totalled 19,000 dozen this February, 22,000 dozen in January and 31,000 dozen in February of last year.

# Solomon To Celebrate Fiftieth Anniversary

The Knitted Outerwear Times of April 3 reported erroneously that the 15th anniversary of Morris J. Solomon's first elec(Continued on Page 35)

underwear and hosiery interests, will be held on Wednesday morning, April 26, in Room 13, Atlantic City's Convention Hall, the scene of the huge knitting show.

Professor Attilio Tremelloni, chairman of the International Federation of Knitting Specialists, will be guest of honor at the ASKT meeting. The Society is the U. S. section of the International organization.

Sidney S. Korzenik, executive director and counsel of the National Knitted Outerwear Association, who was instrumental in organizing the Society, will be chairman of the meeting. Other guests of honor will include James F. Nields, president of the National Knitted Outerwear Association; William F. Williamson, president of the National Asociation of Hosiery Manufacturers; Robert Cooper, president of the Underwear Institute, and Robert McCabe. managing director, Underwear Institute.

Speakers will include A. Reisfeld, director, Research and Development, Gehring Textiles, Inc., who will discuss "New Fields for Tricot and Raschel Knitting"; George A. Urlaub, knitting consultant, who will talk on "The Thermal Underwear Story"; Dr. Thomas Edman, professor of knitting, Philadelphia College of Textiles and

(Continued on Page 17)

3rd Annual NKOA Banquet, April 20, Waldorf Astoria



A group of our customers at a recent cocktail party and inspection tour of the new plant.



New battery of dryers to handle "fast service" calls.



A view of some of our washers, modern in every respect, for superior quality of work.

# COSMOPOLITAN and COSMO DYE announce the opening of their plant

The management of Cosmo Dye Works, Inc. and Cosmopolitan Knitwear Processing Corp. is pleased to announce that it has reopened its Central Avenue plant which had been closed for so many months due to serious fire damage.

We wish to thank our many customers who continued their patronage at our temporary works during this period of adjustment and rebuilding.

Our new facilities are modern in every detail with technical supervision and fine crafts-manship assured. Satisfaction, unusual quality and dependable service are always found at Cosmo.

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- **√** Brushing

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N R R TIMES

# Knitted Outerwear Times

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# FEATURES IN THIS ISSUE

Review of Interlock	
Sweater-Strip	
Machinery - Part 2	3
Knitting Patents	9
Automation Feature of	
New Rose Marie	
Reid Plant	11

# **Knitting Equipment Review**

# Interlock Sweater Strip Machines—Part 2

By CHARLES REICHMAN, Editor

AT present there are three types of high speed single-purpose sweater-strip machines on the market. The three machines differ from each other in diameter, number of feeds, method by which the yarn is fed to the knitting elements in the shift from 1 x 1 rib cuff knitting to interlock and back, number of welts, etc. The three machines are:

 Model AI, product of the Wildman Jacquard Co., Norristown, Pa.

 Model MFRC produced by Scott & Williams, Inc., Laconia, N. H.

 Philip Multi-Feed Interlock, which is manufactured by Supreme Knitting Machine Co. and marketed by Jet Age Knitwear Machinery Corp.

MODEL AI — Wildman Jacquard's Model AI is an outgrowth of the company's well-known multiple-purpose interlock machine, Model TAI. A 32-inch diameter unit, it is equipped with 32 knitting feeds. for body knitting; of these 16 are employed in the knitting of the 1 x 1 rib cuff, together with welt and draw thread separation.

Actually, the machine is an 18-section unit consisting of two feeds at each section. The four additional feeds over and above the 32 knitting feeds, are blank feeds for putting the draw-thread in and out of action, casting off the back butt dial and the long cylinder needles and latch opening.

Model AI is the only singlepurpose multi-feed interlock sweater-strip machine on the market which is of dogless construction. It comes equipped with automatic stitch controls at each of the 16 1 x 1 rib cuff feeds. These stitch controls permit the introduction of different lengths of stitches in both the rib end and body portion of the sweater-strip.

The cam set-up on the Model AI is shown in Figure 2 (Page 5). Alternate long and short needles, of course, operate in the cam raceways of the dial and cylinder. In the knitting of the interlock structure cams A and A1 are in operation in both the dial and cylinder, while cam B is out of action in both needle housings. It is used only when knitting the 1 x 1 rib cuff.

In the knitting of the latter, only the short needles are in op-

eration on the 16 rib trim feeds. The inoperative feeds are engaged during this phase of the knitting cycle in feeding the second end of yarn to the short needles. This is done by making cams A and A1 in cylinder and dial inoperative and actuating cam B.

Specifically, here is how the action takes place. As the short needles approach the first feed they rise to take on new yarn. In the process, the previously formed loop drops below the needle latch. As the needle continues its ascent, it is fed new varn in the tuck position. The needle then continues to the second feed in the tuck position without drawing a stitch. At the second feed, the second end of yarn is fed to the needles. The latter then casts off the previously-formed stitch at stitch cam C, creating the 1 x 1 rib cuff.

The machine has a vertical two-speed motor drive with jogging feature and a completely automatic lubrication system. Dial and cylinder sections can be readily removed. The Model AI is built in up to 16½ cut.

In addition to producing sweater-strips of textured filament nylon yarns and high-bulk spun Orlon yarns, the unit can also be readily adapted for the production of Orlon yarn sweater-strips for napping and shearing. In the manufacture of interlock sweater-strips for this plush knit look, it is essential that the draw thread between sweater tubes be completely submerged and not appear on the face of the fabric. It is also important that the welt edge of the rib cuff be as flat as possible. Failure to knit the draw thread below the surface of the cloth may result in the separating thread becoming ensnared in the wire card clothing of the napping machine and pulling out. A high bulky welt could cause skipping and other irregular napping and also make close shearing of the cloth difficult.

To meet these two essential knitting conditions for the production of napped and sheared goods, the Model AI requires these two changes:

 Rearranging the standard turning cam block on the machine from the conventional sequences for knitting plain Orlon or Ban-Lon sweater-strips.

 Installing two new turning cam blocks.

The changes are necessary because the Model AI, as a single-purpose machine, is set up to produce a minimum amount of waste at the end of the sweater-strip. While this arrangement is suitable for knitting of plain Orlon and Ban-Lon garment-lengths, it is not appropriate for knitting the sweater-strips for napping and shearing.

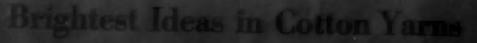
On the Model AI the control mechanism establishes a predetermined sequence in terms of the set-up of the cam structure. For example, in the knitting of the 1 x 1 rib cuff on a plain Orlon interlock garment, the sequence is set for a fewer number of welts than in the knitting of the rib cuff on a Ban-Lon garment. For the latter a greater number of welts must be presequenced.

Details of the actual knitting sequence for producing the appropriate welt and separation for napping and shearing are spelled out in the needle set-out below. As on any interlock machine the Model AI has a two-level raceway in both the dial and cylinder to accommodate two set of needles — alternate long and short needles in the dial and alternate back and front butt needles in the cylinder.

The interlock structure is knitted by all needles in both the dial and the cylinder. Knitting of the 1 x 1 rib end and separation is accomplished by the short needles in the cylinder and the front butt needles in the dial. The back butt needles in the dial and the long needles in the cylinder welt during the knitting of the cuff.

The knitting of the first course of the separation is as follows:

(Continued on Page 5)



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The t course i outlined 1. Fr

dial and cylinder 13 to 18 2. Fee of action

3. Kn is actua 1. All dial and cylinder needles knit producing interlock at Feeds 1 to 5, 7, 9, 13 to 15, 17, 19 to 34.

2. All the dial needles welt while all the cylinder needles knit at Feeds 6, 9, 16, 18.

3. Feeds 11 and 12 are the

3. Feeds 11 and 12 are the non-knitting feeds used for draw thread and are out of action. Feeds 35 and 36 are also non-knitting feeds, but. Feed 35 is used to cast off the long cylinder and the back butt dial needles, while Feed 36 is employed for latch opening after castoff.

Knitting of the second course of the separation proceeds in a different way. The knitting of the cuff and separation is done at this stage of the knitting cycle only by the front butt needles in the dial and the short needles in the cylinder. In this sequence the long cylinder needles and the back butt dial needles are withdrawn. Knitting is as follows:

1. At Feed 1, the front butt dial and the short cylinder needles rise to the knit position. Meanwhile at Feed 2, the back butt needles in the dial are withdrawn as the front butt needles knit in the cylinder, the long needles are withdrawn and the short needles knit.

2. Front butt needles in the dial and short needles in the cylinder knit at Feeds 3, 4, 9, 10, 13, 14 and 19 to 34.

3. Front butt needles in the dial welt and short needles in the cylinder knit at Feeds 5 to 8 and 15 to 18.

4. The draw thread is fed at Feed 11.

5. At Feed 12 the dial is out of action while the cylinder cast off the draw thread.

6. An additional action takes place at Feed 13 over and above the knitting of the front butt dial and the short cylinder needles; namely, the long cylinder needles are picked up.

7. At Feeds 35 and 36, no action takes place.

The third and final separating course is knitted in the manner outlined below:

1. Front butt needles in the dial and short needles in the cylinder knit at Feeds 1 to 10, 13 to 18.

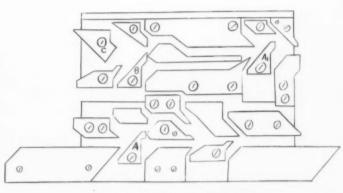
2. Feeds 11 and 12 are out of action

3. Knitting of the separation is actually completed at Feed

FIGURE 2 MODEL AI CAMMING SYSTEM



DIAL CAM SET-UP



CYLINDER CAM ARRANGEMENT

MODEL MFRC - Scott & Williams' Model MFRC interlock sweater - length machine, like the Philip unit, represents the conversion of a basic interlock yardgoods unit into a sweater-length machine. It produces interlock sweater bodies with attached 1 x 1 rib cuffs. The machine is a 30-inch diameter unit equipped with 32 sections of which 30 are active knitting feeds. The other two feeds are for draw thread, pressoff of needles, and access for removal and replacement of

damaged needles. Claimed output is at the rate of 41 sweaterstrips an hour. The extra end of yarn for rib trim knitting is fed by action of striping fingers in a conventional striping box or yarn changer, as the company prefers to call the device.

Operating in conjunction with the striping box are a clamp mechanism and shears. Yarn ends clipped are ejected by means of an air blower. The yarn changers are positioned at each machine feed. Their operation is by means of a pinion and rack principle designed to assure positive motion in two directions.

The machine is equipped with automatic stitch adjustment for four stitch changes. Changeover from interlock structure to 1 x 1 rib knitting is accomplished by an automatic control positioned at the side of the machine near the motor drive. The dial and cylinder cam arrangement on the Model MFRC is shown in Figure 3 (Page 7).

Originally, the Model MFRC was equipped with a chain control mechanism. The unit now has a control drum on which cams are mounted that govern the various mechanisms on the machine. The drum in turn is controlled by a chain made up of non-riveted links. These may easily be separated by simply turning the hook end of the link as far as it will go to the back side of the link to which it is attached.

Drum Set-up The drum is equipped with two sets of cams, each controlling a full knitting cycle consisting of interlock body, 1 x 1 rib cuff or waistband, press-off, ravel-free welt courses and nylon filament separating thread. One revolution of the drum results in the production of two body lengths or sleeve blanks. In place of the three chains used on the original model, the new control drum has three rows of cams which control in order the swivel cams on the short needle feeds and the nylon draw thread. the varn changes and the long needle swivel cams, and the

stitch adjusting mechanisms. Two types of links are used on the chain that controls the movement of the drum. One, is a plain low link, the purpose of which is to maintain the actuating drum pawl in idle position, and the second a lug-type high link which performs the reverse action, namely places the drum pawl in operating position. To alter the length of either the interlock body or the 1 x 1 rib bottom or both, the low links are changed. The high links, however, remain unaltered.

PHILIP MULTI - FEED Ma-CHINE — This high output rate machine is built in three different models—a 30-inch diameter 32-section machine with 30 knitting feeds; a 30-inch diameter, 35-section unit with 32

(Continued on Page 9)



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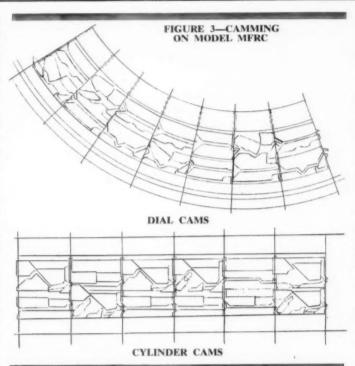
knitting feeds; and a 33-inch diameter, 52-section knitter with 46 knitting feeds. Most mills favor the 52-section, 33-inch diameter model. This model differs from the other two in that it has a different camming system which appreciably reduces the width of the individual cam sections in the cylinder and dial. In appearance and basic design, however, the 52-section model is no different from its companion types.

Details of the camming system on the 52-section machine are shown in Figure 4. It can be seen that, in contrast to a conventional interlock machine's cam raceway, the non-knitting channel in both dial and cylinder is much shorter, resulting in a substantial reduction in the length of time, the long and short knitting needles remain inoperative during the knitting cycle. The angle of movement is in reality no different from the other two models. However, by reducing the out-of-action time lapse for the long and short dial and cylinder needles the pared - down camming system makes posible much closer timing between the operative and inoperative phases of the needle action than is normal for interlocking knitting. Thus, the short needles begin their operative cycle before functioning of the long needles has been fully completed. The difference between the two cylinder sections is sharply apparent in Figure 4. A and B show a section of the dial and cylinder from the 52section machine and C and D from the 35-section version.

The contrast between the streamlined and the conventional camming becomes immediately apparent when the relative areas of the out-of-action channels in the long and short needle raceways or the cylinder and dial are compared.

Also readily evident from a study of the cam diagrams at A and B and C and D (in Figure 4) is the closeness of the timing between the operative and non-knitting actions of the long and short needles.

The 52-section model's rate of production is estimated as 50 per cent greater than the 35-section machine. On a continuous production basis, it is possible to attain an output of 50 sweater-strips of Textralized yarn an hour.



Depending upon the size sweater required, the machine will knit down a sweater-strip wide enough to provide two sweater bodies of the same or two different sizes. On a 16½ cut model, for example, using 70/2 Textralized yarn, a size 34 and a size 36 sweater body meeting the Bancroft standards

for Ban-Lon sweaters can be knitted. On an 18-cut 52-feed machine, a size 36 and size 38 sweater body or two size 38 sweater bodies, each in accordance with the Ban-Lon stitch count standards, can be obtained from a single sweater-strip. On a 19-cut machine, two sweater bodies in the 38 and 40 size ranges can be cut from a single strip. A single strip will also give six sleeves meeting the stitch count standard for Ban-Lon sweaters.

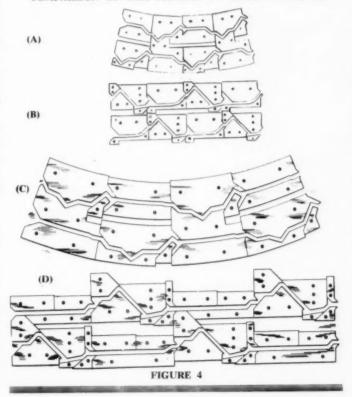
Where tight knitting construction is not required as with other types of textured filament nylon yarn, an increase in the number of sleeves obtainable from a sweater-strip is possible. On a 17-cut machine, for example, a total of seven sleeves can be cut from a single strip. A 16 or 16½ cut machine will also give two size 40 sweaters, depending on how loose a structure is required.

Like a conventional interlock machine, the Philip unit uses standard long and short needles alternately in the dial and cylinder. The interlock structure is knitted by both the long and short needles while the attached 1 x 1 rib trim is knitted only by the short needles in the dial and cylinder. The short needles are controlled at all even feeds and the long needles at all odd feeds.

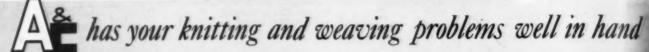
Of the 52-sections on the machine, one feed is for the drawthread, another for the separating castoff, two are blank feeds and the remaining 48 are knitting feeds. Of the latter, 24 odd-numbered feeds are equipped with movable carriers which are inactive in the knitting of the rib cuff. Each of the movable carriers is equipped with a projecting finger which is actuated upwards or downwards as it travels over a retractible guide rail positioned at the control station of the machine above the chain system. When the projecting finger is raised, the movable carrier is put out of action and its varn is transferred to the adjacent even feed to supply an additional end of yarn to knit the rib trim. In order to receive the second end of yarn transferred in this way, yarn carriers at the even-numbered feeds are equipped with a special slot to

(Continued on Page 9)

# COMPARISON OF CAM SYSTEMS ON PHILIP MACHINES









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New PATENT FEEDING knitting for feed by John Pennsylv U. S. Pa assigned Wildman

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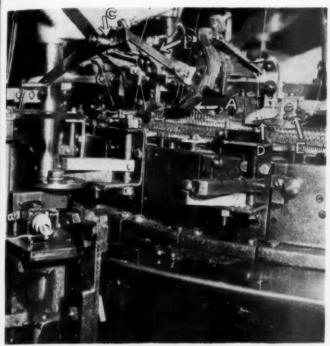
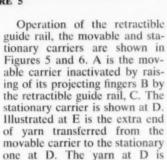


FIGURE 5



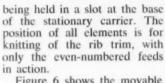


Figure 6 shows the movable carrier in the knitting position with all 48 feeds in action knitting interlock. The retractable guide rail at G is down, causing lowering of the projecting fingers

of the movable carriers.

Transfer action from interlock formation to 1 x 1 rib knitting is performed on the Philip machine without change in the machine's running speed. This feature permits pigtailing of yarns, a procedure claimed to be virtually impossible on machines where changes in machine speed occur during the transfer step.

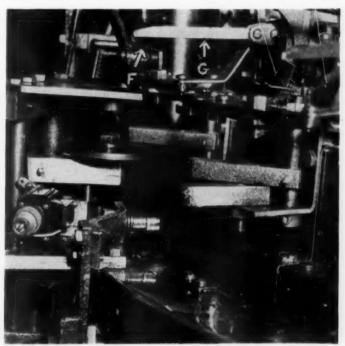


FIGURE 6

# KNITTING PATENTS

NEW KNITTING MACHINE PATENTED AND METHODS FOR FEEDING FIBERS TO IT — A knitting machine and a method for feeding fibers to it invented by John H. Hill of Wayne, Pennsylvania, has been granted U. S. Patent No. 2,971,357, and assigned by the inventor to Wildman Jacquard Company, Norristown, Pennsylvania.

grasp and hold this extra end

When the rib trim is knitted,

the transferred ends of yarn are

automatically returned to the

needles by the movable carriers

at the odd-numbered feeds. Re-

activation of the movable car-

rier is accomplished by lowering

its projecting finger as it passes

over the now-retracted guide

rail at the control station

of yarn.

The patent covers a knitting machine incorporating knitting instrumentalities and means for causing the instrumentalities to draw stitches to form a fabric. Carding means including a card cylinder are provided as are means for working fibers into a uniformly disposed layer on the card cylinder. A doffer cylinder doffs fibers from the card cylin-

der and presents them directly to the knittnig instrumentalities. A conveyor, which comprises belts, receives the fibers and feeds them in bulk form to the card cylinder. A method is provided for governing the delivery of fibers and thus to feed a predetermined weight of stock to the card during a given time interval.

New Austrian Knitting Machine Granted U.S. Patent—A new knitting machine invented by Franz Eberl of Upper Austria, Austria, has been granted U.S. Patent No. 2,972,242.

The new knitting machine comprises two opposed, elon-

gated needle beds extending generally in a horizontal plane, and two interleaved sets of latch needles, the needles of each set being guided along parallel paths in a respective one of the needlebeds. The sets of needles are provided with thread-engaging means. A single row of sinkers is disposed between the latch needles for movement in a vertical plane. Each of the sinkers is formed with a hook and with two opposed edges which define a slot for receiving behind the hook a thread about to be engaged by the needles. A carriage mounted on the needlebeds moves transversely to the directions of movement of the needles and sinkers. The carriage is adapted to engage and operate the needles and sinkers to form the thread into stitches. The sinkers are adapted to straddle the

thread with the two opposed edges during the formation of the stitches.

NEW AUTOMATIC KNITTING MACHINE PATENTED — A new automatic knitting machine invented by Raymond J. Good of Philadelphia, Pa., has been granted U.S. Patent No. 2,972,-243, which the inventor has assigned to Fred C. Good & Sons, Inc., also of Philadelphia.

In combination with a flat bed, full-fashioned knitting machine, the machine includes a needle bar, needles carried on the needle bar, a narrowing mechanism, a cam shaft, and cam means on the cam shaft for actuating the narrowing mechanism, knockover bits and means for actuating same, and sinkers and dividers and means for actuating them. A point bar

(Continued on Page 37)

# Smart buyers go for **National Worsted Yarns!**



Buyers depend on the uniformity of spinning, resiliency and loftiness of hand of National Worsted Yarns to make knits that please the eye - and the cash register.

National's warehouse is completely stocked with every variety of worsted, zephyr, mohair, orlon, Ban-Lon. Use it for quick delivery.



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\* DuPont T.M

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"QUALITY - AT NO EXTRA COST"

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# Mill Modernization

# Automation Marks New Rose Marie Reid Valley Plant

LOS ANGELES, Calif. - Occupying a 12-acre site in Van Nuvs adjacent to several major freeways is the new two million dollar, 150,000-square foot Rose Marie Reid administrative and manufacturing facility. Distribution of footage in the completely air-conditioned building includes 65,000 square feet for manufac-

turing area, 35,000 square feet for receiving, shipping and warehousing, 10,000 feet for cafeteria, 32,000 feet for administratives offices, and 8,000 feet for miscellaneous and storage areas. The facility was designed by Victor Gruen Associates and built by general contractors Conant & Lieberman.

The single-floor structure is characterized by a harmonious blending of wood and glass with modern tile-up exteriors in a modular design. The administrative portion of the building. attractively low in silhouette, surrounds a spacious (130' x 160') open central court containing a swimming pool, patio and outdoor dining facilities. A massive tilt-up concrete exterior houses the factory, warehouse, receiving maintenance, and testing laboratory areas.

The 65,000-square-foot manufacturing area has been

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N.C.

designed to permit the most efficient flow of work in surroundings that have been geared to employee comfort as well as efficiency. A band of glass windows separate the factory administrative offices from the main sewing area, permitting an unobstructed view of the production lines. The brightly lighted, vast expanse of the manufacturing area is attractively interrupted twice by glass-enclosed indoor garden courts that introduce a refreshing outdoor atmosphere into the midst of the factory.

Flush trenches in the factory floor conceal the power source for all steam pressing operations. The wiring for the sewing machines is also installed under the flooring.

An overhead trolley system streamlines the flow of merchandise from the pressing stations through the final inspection,

tagging, and boxing operations.

Each moving trolley accommodates eighteen hanging suits at a time and eliminates unnecessary handling and the need for manual transport of large

The design and experimental departments, also adjoining the patio court, have light wells. permitting full daylight passage to facilitate accurate evaluation of colors and materials. Dressing room and shower facilities for the models are centrally located and so arranged as to permit easy access to all areas where the design staff operates. An experimental sewing installation is also a part of the design area. Every type of machine used in actual production is represented here, permitting realistic experimentation on all operations.

18,000 square feet are devoted to the company's intricate cutting operation which requires a departmental staff of over 100 people and uses eleven eightyeight foot cutting tables. The facilities will permit a daily transfer of some 10,000 cut

swimsuits to the sewing department. Extensive marking operations are accelerated by a special photographic marker.

A lowered light source is installed just seven feet above the cutting tables, creating a solid light field over the entire area. Also provided are overhead feed rails as the power source for the electrically - driven cutting

instruments.

Handling of stored piece goods is mechanically facilitated by means of a mobile lift fork which stores fabric pallets into open-face steel racks arranged throughout the receiving area. Especially wide aisles permit easy maneuverability of the lift fork from rack to rack. 750 pallets have been provided which can accommodate up to 400,000 vards of fabric at once.

Efficient flow racks run through the entire length of the warehouse, handling storage of boxed swim suits in a selfreplenishing manner. Ball bearing runners, over which boxes slide into position, permit easy picking of merchandise for ship-(Continued on Page 13)

Swim suit fabrics are stored by the most modern mechanical handling procedures in the new Rose Marie Reid San Fernando Valley plant. The lift fork operation seen here is placing a loaded fabric pallet into the open storing rack. Seven hundred and fifty steel pallets, each representing one die lot, are available to accommodate up to 400,000 yards of fabric.



Over 100 people are employed in the cutting department in Rose Marie Reid's new plant in the San Fernando Valley. The new facilities permit a daily transfer of some 10,000 cut swim suits to the sewing department. In the background is one of the glass enclosed garden courts that give the effect of daylight and the impression of open air space to the factory area.



What's the big sell in these Jantzen sweaters?



The tremendous sales power of the big red "A."

Jantzen's really diving into Acrilan\* this Fall. Three styles in the Jantzen Fall sweater line are made of 100% virgin Acrilan acrylic fiber. Acrilan is one good reason why Jantzen just wears a smile all Fall, too.

Look what you can do with Acrilan. Knit with Acrilan and Acrilan 16 and get your color effects with a single piece-dyeing. Knit in the greige, wait until you know what colors are really selling, then



ACRYLIC FIBER

piece-dye on order. Reduce your colored yarn inventory. You're covered in the greige. Knit new expensive-looking novelties of Acrilan and sell them competitively.

Look what Acrilan can do for you. 9 out of 10 customers know the big red "A"-Acrilan trademark. How can you afford not to knit with Acrilan -and add the sales power of the pre-sold "A" to your own sweater label?

THE CHEMSTKAND CORPORATION - GENERAL SALES OFFICES: 350 FIFTH AVENUE, NEW YORK I, N. Y.

Chemstrand makes only the fiber, America's finest mills and manufacturers do the MR.

DISTRICT SALES OFFICES: 350 Fifth Avenue, New York 1; 3½ Overwood Road, Akron, Ohio; 197 First Avenue, Noedham Heights, Maso.; 129 West Trade Street, Charlette, N. C.; California Office: 707 South Hill Some.

Los Angeles 14 - Canadian Agency: Fawcett & Co., 34 High Park Blvd., Toronto, Canada - PLANTS: ACRILIAN® ACRYLIC FIBER—Decator, Ala.; CHEMSTRAND® NYLON—Pensacola, Ph.

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Interior gardens are situated inside the factory area at the new world headquarters of Rose Marie Reid in the San Fernando Valley. The garden courts are completely glass enclosed and open to the sky. Tropical plants with trees and hanging baskets of fuchsia create a most pleasant atmosphere. Although the factory is artificially lighted, these indoor planters give the effect of daylight and the impression of open air space.

ment and provide instant replacement of pulled boxes. Once removed from the racks, the boxes are placed in cages on an overhead rail which carries them to the packing stations. A conveyor then moves the asembled shipments to the dispatching stations.

A central outside dock in a sunken service yard permits loading and unloading of trucks in one easily accessible area at truck bed level. This area services both the receiving and shipping departments.

The building is fully airconditioned throughout. Eightyone individually controlled roof units furnish the air conditioning for the factory and warehouse areas. Separated, specially-enclosed sources are provided for the administrative sections and the RAMAC room. A sprinkler system is provided throughout the building.

The roof construction is supported by steel girders with a 60-foot span located at 20-foot intervals throughout the plant. The posts are painted alternately in orange and yellow and even the girders themselves create an interesting ceiling pattern, projecting irregular color schemes of white, grey and yellow.

Hung ceilings with acoustic tile are used throughout the general office area and in the corridors. The floors throughout the factory and in the major hallways are done in asphalt tile. Vinyl tile has been used for the floors in the entrance and

in the executive office wing, with carpeting used in selected areas of this wing and in portions of the design area.

An extensive, paved and lighted parking area accommodating 650 cars, separates the buildings from the nearby free-

At the main entrance, a decorative, fully glass-enclosed reception area permits an open view through the lobby to the landscaped central patio. The light, contemporary feeling is carried out in a stylized color scheme that introduced the ochre, steel blue, yellow and grey contrasts which are used throughout the building. Lighting fixtures are unique and decorative and furnishings are



Finish pressing, quality checking and tagging are final operations in the manufacture of Rose Marie Reid's swim suits. To avoid crushing or unnecessary handling of the garments, these departments are linked through an overhead trolley system as shown in the background. Equipment includes ironing bucks and puffers which can handle the pressing of ten to twelve thousand suits a day.

modern and custom made.

The wing immediately to the left of the lobby is devoted to executive and administrative offices and to an attractively appointed conference room. Like the offices of the president and the chairman of the board, the conference room features an attractive contrast between painted surfaces and wood paneling.

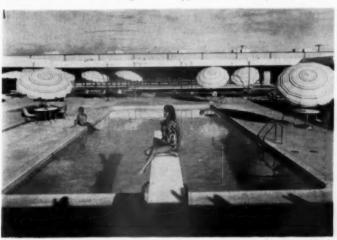
Nearby is the RAMAC room, a special area, independently temperature controlled, which houses the sensitive IBM electronic data processing machines which make up the extensive RAMAC installation. The vast "memory" capacity represented by RAMAC computers permits the most efficient mechanical approach to all phases of in-

ternal data processing, reflecting itself in accelerated service programs.

Flush, covered trenches have been provided in the floor for concealment of all the necessary conduits and to permit easy access to the power source for any rewiring, additions, or revisions which might be required in the future.

The pool and patio area is a central U-shaped courtyard bordered on one side by the lobby and administrative wing. on a second by the cafeteria, and on the third side by a daylight corridor connecting the administrative area with the factory. Alternately paved and landscaped, it features a 25' x 50' Paddock swimming pool which serves as an action testing laboratory for Rose Marie Reid suits throughout the year and doubles as a recreation center for employees and their families on summer weekends. The company provides a life-guard for this purpose, and cabanas provide men's and women's dressing facilities and showers. A permanent raised platform stands at one end of the patio for the staging of style shows and other events.

Overlooking the pool and patio area through extensive glass walls is the 10,000-square-foot cafeteria designed to serve at seat 400 people at a time during staggered break periods. Specially-designed stainless steel serving areas and a silent conveyor belt permit rapid serving and handling of food and dishes.



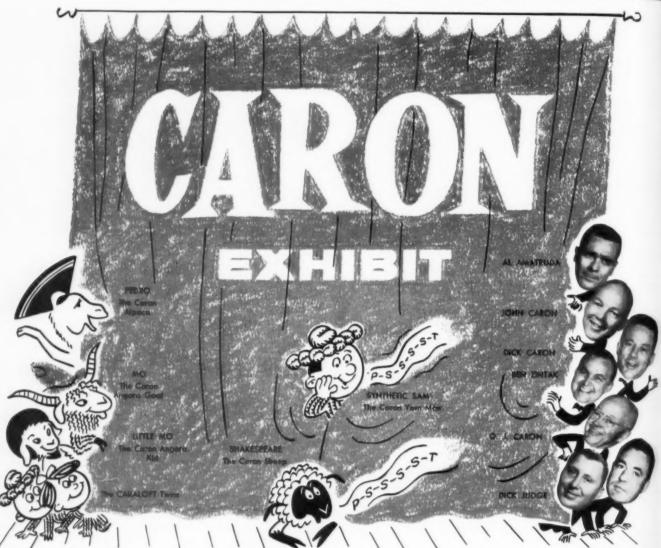
This 25 x 50 ft. pool, serves as an important testing lab for Rose Marie Reid swim suits. The patio area is alternately paved and landscaped with tropical foliage. It includes a cabana and a permanent platform for fashion shows and other official occasions. On summer weekends the pool is open to the employees and their families.

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BUD STOCKING

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# **OUR EXHIBIT**

IN THE CENTER OF THE EXHIBITION HALL



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# Mill News

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# White Stag To Build New Headquarters

PORTLAND, Ore. — White Stag Manufacturing Company will construct an \$850,000 head-quarters building here, adjacent to the company's main plant at S. E. 52nd Avenue and Harney Drive. Ground will be broken in late April, and the new building is expected to be ready for occupancy by the first part of 1962. Probability of still further addition of manufacturing facilities within the next three years is indicated by Harold S. Hirsch, president.

# 21/2 Story Building

The new building will be twoand-one-half stories high and will add nearly 50,000 square feet to the present plant, providing a total of 170,000 square feet for manufacturing, executive offices, show rooms and other facilities at that location. The plant, which was opened in 1957, is situated on a 13½acre tract which was set aside for future expansion.

Upon occupancy of the new

building, the firm's present headquarters building at 67 West Burnside Street, Portland, will be devoted to the Hirsch-Weis Canvas Products Division of White Stag, which now occupies a part of the building.

White Stag advance sales bookings since January are running about eight per cent ahead of similar figures for the same period in 1960, says Mr. Hirsch.

# Brownie Names Narva Western Sales Manager

PORTLAND, Ore.—Sidney Narva, who has been sales manager for the girls' wear division of White Stag Manufacturing Company, has been named western sales manager for Brownie Knitting Mills. The newly created post places Mr. Narva in charge of sales for eleven western states and is the forerunner of an expanded sales effort by Brownie in the West.

Representatives appointed include Al Lebowitz in Los Angeles, to cover the Southern California territory; Leonard Batt in San Francisco, for Northern California, and Ken-



SIDNEY NARVA

neth Watkins, Portland, for the Washington and Oregon territory. The Rocky Mountain states will be handled by Rocky Mountain Sales Representatives of Denver and Salt Lake—including Mike Josephson, Grant Brunker and Si Singer.

The Brownie line includes skirts and slacks, in addition to the comprehensive knitwear line, which currently highlights fur blends and full-fashioned

Shetland-type sweaters. The line also includes Orlons, Orlon Sayelle and some imported Angoras.

# A. Cohen Acquires Union Knitting Mills

PHILADELPHIA, Pa. — Alvin Cohen, formerly of Suffolk Knitting Co. of Lowell, Mass., has acquired the building and equipment of Union Knitting Mills, Inc., headed by Gideon A. Frankil.

Mr. Cohen announced that Mr. Frankil, whose late father, David, founded the company nearly three-quarters of a century ago, will remain as vicepresident.

The new firm will be known as Alvin Knitting Mills, Inc., but will trade as Union Knitting Mills and Crown Prince Sportswear Corp.

# **Sweaters And Swimwear**

Mr. Cohen said the firm will continue to manufacture sweaters and bathing suits, distribute to the wholesale trade and take on contract work. "The same high quality of work turned out

(Continued on Page 17)

# WHY PAY TOO MUCH FOR TOO LITTLE

CONTRACTION OF CONTRA

The difference in cost between making a sweater well or making it poorly is surprisingly small.

But the difference in skill necessary to produce a superior garment is great.

Over a period of forty-eight years, our people have acquired this skill by constant effort and encouragement to do a good job better.

# The Lion Knitting Mills Co.

3256 West 25th Street ■ Cleveland, Ohio

Designers and Creators of High Quality Sweaters and Sweater Shirts for Men DISTRIBUTED TO THE BETTER STORES BY SELECTED KNITWEAR SPECIALISTS

# For the finest knitwear

KZR hand flat knitting machine with tubular cams and 2 yarn carriers.

JBO hand flat knitting machine, type Industry with high bow carriage. High and low butt needles.

JBOM/b fully automatic single system plain rib machine.

UFD fully automatic double system power flat knitting machine with automatic stitch transfer.

EFMO/Z fully automatic, single system sleeve widening machine.

DOFMO/Z fully automatic, double system sleeve widening machine.

KAMO/J automatic Jacquard power strapping machine.

A JUM fully automatic, double system power flat knitting machine with Jacquard apparatus and automatic stitch transfer.

FAL hand purl knitting machine with tubular and cardigan cams.

LIFADO fully automatic, double system power purl stitch knitting machine with Jacquard apparatus.

LIUM fully automatic, single system power purl stitch knitting machine with automatic stitch transfer and Jacquard apparatus.



Manufacturers:

H. Stell & Co.,
Reutlingen/Germany

Agents for USA:

Knitting Machine & Supply Co., Inc. 3710 Hudson Avenue, Union City/N. J.

Walker 5-0606-07 Union 4-1786 Agents for Canada

The Knitting Machine & Supply Co. (Canada) Ltd. 2052 St. Catherine St. W., Montreal, Que.

Wellington 3-6442

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by the Frankil family for so many years will be maintained and improved upon," he added.

The Union plant is continuing to operate and will continue to do so without any halt for the change in managements, Mr. Cohen said.

Since no selling agent in New York has as yet been named, Mr. Cohen plans to direct all sales from the mill for the time being.

Mr. Cohen was general manager of the Suffolk mill, founded and still operated by his grandfather, Frank, when he resigned to come to this city. He is 36, and has been in the knit goods business for 15 years. He attended Massachusetts Institute of Technology and the Lowell Textile Institute.

Mr. Frankil, who joined his father in 1937 after graduating from Philadelphia Textile Institute, founded the Crown Prince line of sweaters.

# Irwill Knitwear Officer Heads Creditor Group

William Arlin, Irwill Knitwear Corp., has been elected president of the National Apparel Adjustment Council, Inc. The Council protects creditor interests among children's wear manufacturers in insolvency matters.

Mr. Arlin called for a bolder approach to gain control of cases. "We have been accused by some attorneys for debtors of fighting too hard for bigger settlements," he said, "but that is just the kind of accusation that justifies the existence of this Council and will make it successful." The Council also elected to two year terms Al Vogel, S. Augstein & Co., first vice president; Harold H. Schreiber, Ellen Bra Corp., second vice president; Anne Steinberg, Party Formals, Inc., secretary; Arthur Epstein, Sherman Bros., treasurer

# King Joins Brookshire At Staff Statistician

MANCHESTER, N. H. — Murray King has joined Brookshire Knitting Mills, Inc., as a staff statistician. He was with the Pittsburgh Plate Glass Co.

# Darlene Sales Manager

William A. Smith has joined Darlene Knitwear, Inc., as national sales manager of women's sweaters and sportswear. He was



WILLIAM A. SMITH

formerly vice-president of merchandising at Bobbie Brooks,

# Men's Wear

# Ban-Lon Polo Shirt Is Syracuse Best Seller

SYRACUSE, N. Y. — The men's shop at the Addis Company, after successfully introducing a long-sleeved full-fashioned Ban-Lon polo shirt at holiday time, has reordered a short-sleeved version.

A two-column ten-inch newspaper ad illustrated the "ablebodied Ban-Lon polo shirt for relaxing sportsmen" as "handsome dressing for the man of the house" at \$5.95.

# Technologists To Weigh KAE Developments

(Continued from Page 1)
Science, who will speak on the subject, "Knitted Fabrics in Heart and Arterial Surgery";
Robert Peel, vice-president research, Singer-Fidelity, Inc., who will talk on "Aspects of Seamless Hosiery Knitting"; and Victor Lombardi, assistant to the president, Scott & Williams, Inc., who will talk on "Patterning Potentials in Sinker Top Machines."

Admission to the meeting will be open to all attending the Knitting Arts Exhibition. Tickets of admission will be available to those requesting them at the time of registration but only up to the limit of the capacity of the meeting room. Those interested in attending are advised to write in advance for tickets to the secretary of the American Society of Knitting Technologists, 386 Park Avenue South, New York 16, N. Y.

# II these firsts...

# HAVE MADE ALLEN KNITTING MILLS THE FIRST IN 100% ACRILAN ACRYLIC JERSEYS

FIRST 100% ACRILAN Jersey

FIRST "REDMANIZED" Jersey of ACRILAN

FIRST Jersey in hi-bulk ACRILAN

FIRST in hi-bulk ACRILAN fancies and stripes

FIRST in yarn-dyed ACRILAN

FIRST in worsted-spun ACRILAN

FIRST in Type 16 ACRILAN

FIRST with Allenella Jersey Prints

FIRST with Eleganté—highest-quality Jersey knitted of worsted-spun Acrilan available in 2-denier

FIRST with Scottfoam Eleganté – Eleganté with Scottfoam bonded to it, creating new horizons for outerwear manufacturers

Allen Knitting Mills produced the first 100% Acrilan Jersey. Manufacturers asked for more . . . and more. Allen turned out, not only more — but entire new concepts in ACRILAN Jersey listed above.

Whatever you manufacture in Jersey, one or many of the ACRILAN Jerseys listed here can bring you "firsts" in peak sales. Come in and consult with us . . . we'll show you how the inventiveness that produced all these famous Allen "firsts" can work for you!

# ALLEN KNITTING MILLS, Inc.

1412 Broadway, New York 18. N. Y.





Collecting money is aggravating to yourself, antagonistic to customers, incompatible to selling. Meinhard has the money to pay cash as you ship goods—sooner if you want. As experts in credit and collections, we maintain and strengthen your customer relations.

MEINHARD & COMPANY, INC., 390 PARK AVENUE SOUTH, NEW YORK 16, N. Y. LOS ANGELES · LONDON · ZURICH

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HAROLD S. LANDAU

# **Knitted Yardgoods**

# Allen Knitting Mills Names Landau Assistant

Harold S. Landau has been named administrative assistant to Harry F. Goldman, president of Allen Knitting Mills, Inc., manufacturers of knitted jersey Acrilan fabrics. Mr. Landau was formerly with Penn Rayon Corp. and Bear Mill Manufacturing Co., converters.

# Abaco To Hold Retail Clinic In Hollywood

Paramount Studios in Hollywood, Calif., will be the setting of the April 10 West Coast Retail Clinic held by Abaco Fabrics, Inc. of New York City. The Retail Clinic is restricted to buyers, merchandise managers and resident buvers.

Edith Head, chief costume designer for Paramount, will be guest of honor. Some costumes designed by Miss Head for the forthcoming Paramount movie, "Too Late Blues" will utilize Bonda Knits, Abaco's laminated

Abby Levine, president of Abaco Fabrics and Polly Guerin, promotion director, are expected to attend. Marty Ross, West Coast representative for Abaco is heading arrangements for the

# Financial

# McGregor-Doniger Gives Sales, Earnings Figures

Sales of McGregor-Doniger. Inc., manufacturers of men's and boys' sportswear, totaled \$49,365,702 in 1960 as compared to \$49,860,604 in the previous year. Net income after taxes in 1960 was \$472,843, or 46 cents per share. Net income in 1959 was \$1,707,774 or \$1.-67 per share.

The drop in earnings was caused by several factors that should work to benefit the company's future," William Doniger, president said. "These included expansion of our sales office; increasing our manufacturing facilities; the start-up expenses associated with opening a new plant at Charleston, Miss.; introduction of the new R.F.D. #1 line of sportswear, and expansion of the marketing program for our basic staple line of merchandise."

This, coupled with unfavorable business conditions due to a combination of unseasonable weather and a depressed economy in the fourth quarter of 1960, when the company traditionally supplies the Christmas gift market in apparel, contributed to the drop off of earnings."

# White Stag Advance Sales Run 8% Over 1960's PORTLAND, Ore. — White

Stag Manufacturing Co.'s 1961



Pat Thornton has been appointed to the newly-created post of promotion and publicity director for Marina Del Mar, swimwear manufacturer.

advance sales bookings are eight per cent ahead of the same period last year, Harold S. Hirsch, president, told the annual stockholders' meeting.

# Sales And Profits Gain. Bobbie Brooks Reports

CLEVELAND, Ohio-Bobbie Brooks, Inc. manufacturer of young adults' apparel, reported a 13 per cent gain in profits and an 18 per cent gain

(Continued on Page 21)



# U. S. ROYAL KNITTING YARNS

designed, developed and spun for every knitting need in outerwear and underwear

Singles combed and carded cotton Orlon\* acrylic - staple spun and turbo Acrilan\*\* acrylic - natural and heather Natural and synthetic blends

U.S. Royal Textiles

Rockefeller Center, New York 20, N.Y.





# SELLING AGENTS

Stanley Porter, New York City - Pfizenmaier & Kirkland Co., Boston, Mass. - W. J. Miller, Philadelphia, Penna.
C. L. Miller & Sons, Utica, N. Y. - Anthony, Cheatham & James Yarns, Inc., Burlington, N. C. - D. F. Swain Co., Chicago, Ill.

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in sales during the nine months ending Jan. 31.

The firm announced it would introduce a new line of flat double wool knits for fall. Maurice Saltzman, president, said summer bookings were up 19 per cent and that bookings on a new summer cotton knit line are over \$1,000,000.

Brooks common stock will be listed on the N. Y. Stock Exchange about April 11. It is now traded on the American Exchange.

Profits in the first nine months of the firm's fiscal year were \$1,491,400, or \$1.13 a share, compared with \$1,316,-300, or \$1 a share, a year ago. Sales were \$31,505,200 compared to \$26,595,200 a year ago.

In the three months, net earnings were \$318,100, or 24 cents a share, compared to \$305,300 or 23 cents. Sales were \$9,043,500 against 8,-243,400.

The company also announced the signing of a new contract with the International Ladies Garment Workers Union-the first national work agreement in the women's garment field.

The agreement places the company's nine plants and 28 subcontractors, a total of 4,000 employees, under one contract.

# Munsingwear Report Record Sales, Profits

MINNEAPOLIS, Minn. -Despite a fourth-quarter drop, Munsingwear in 1960 again marked up record sales and profits over the preceding year. the company said in its annual report to stockholders.

Sales in 1960 totaled \$44,-747,758, a gain of 2.2 per cent from the previous year. Net income in 1960 was \$1,646,-643, or \$2.06 per share of common stock, compared with \$1,608,092, or \$2.01 per share, a year ago.

George C. McConnell, president of the company, estimated that Munsingwear's production for the first three or four months of 1961 will be about at the same levels as the final quarter

"Although bookings and shipments of spring merchandise have shown some improvement in January, we do not expect

rate of increase recorded last year," McConnell said.

"With staple inventories being maintained by the retailers and with the new styles being offered, however, we look forward to a better gain in the last six months of 1961," he said.

Among the products bolstering Munsingwear's outlook, the company said, are its line of knitted bowling shirts and its new backless brassieres.

# **Knit Laminates**

# **Curon-Backed Cotton** Offered In Britain

BRADFORD, England -Arthur Tate & Co., Ltd., here will shortly introduce a new range of laminated foam fabrics to the British market. Initially this range will consist of cotton fabrics with polyurethane foam backing of the Curon type.

The fabrics will not be produced in Britain but imported from the U.S. Arthur Tate is a division of the United Merchants & Manufacturers (U.K.) Ltd., which is affiliated to the North American organziation. It was said in the announcement that the Bradford Company has been actively engaged on this project for several months, but has delayed any full-scale announcement until it is sure that a complete technical service can be offered to cutters.

This statement offers fresh information about the U.S. fabrics and foams being imported to Britain to help in what has become virtually the setting-up of a new industry. British knitters have become wildly enthusiastic about the possibilities of what are now called "foambacks," and the companies first into the field have had to tone down their initial publicity in order to avoid over-selling their comparatively small stocks.

The first interest was born when visitors brought samples from the U.S., and now it looks as if quantities of both foam and the laminated fabrics themselves are being imported to act as stop-gaps while the local industry is set up.

# Synthetic Fibers

# Irish Terylene Plant

LONDON, England—Imperial Chemical Industries have just bought 200 acres at Kilroot. (Continued on Page 25)



Then it's more important than ever 🥏 to have just the right yarn for your purpose. No yarn order is too small for Stevens. The same knowledge and engineering skill go into every order . . . the same consideration, the same service. So whether you're hunting for a little or a lot, and you want the best there is, and fast, get in touch with STEVENS

SPUN YARN SALES

(Visit the Stevens Booth at the Knitting Arts Exhibition . . . April 24-27)

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# NATIONAL. ...THE FINEST DYERS OF KNIT GOODS

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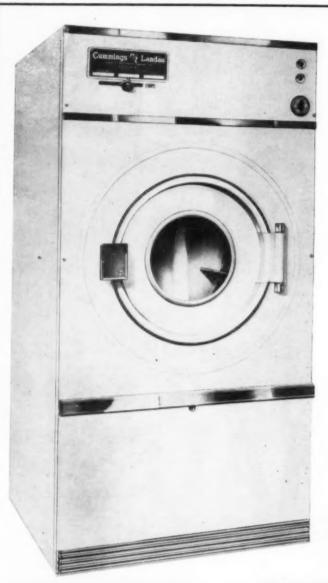
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# NEW! CUMMINGSLANDAU 443777

# STEAM HEATED REVERSING TUMBLER DRYER



**BOOTHS 304-306** 

# ... SUPERIOR TO ALL PREVIOUS MODELS:

- Has a solenoid operated air inlet damper which automatically admits cool air at the end of the time cycle.
- Has a magnetic door latch for safe door closing eliminating triggers, buttons and springs.
- Has a built-in self-cleaning lint screen which is easily removed from the front of the machine.
- Has automatic back draft damper to prevent blow back of hot air and lint.

Now is the time to INSTALL A CUMMINGS-LANDAU WASHING UNIT . Washing . Extracting . Tumbling and Drying

CUMMINGS - LANDAU LAUNDRY MACHINERY CO., Inc.

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near Carrickfergus, Northern Ireland, as a site for a plant which will manufacture Terylene and possibly other man-made fibers, such as polypropylene.

Development of this site is to start soon with a view to having the plant ready for production in 1963. Under full production a labor force of 1,150 will be initially required, and if the project succeeds in accordance with expectations it will mean expansion of the plant to give employment to 2,000.

Manufactured at Wilton

Terylene polyester fiber is at present being manufactured by I.C.I. at Wilton. Extensions of this plant are under construction and are due to come into full operation in 1962.

In August, 1960, I.C.I. acquired from Montecatini, Milan, Italy, exclusive rights for the production and sale in Britain of staple fibers, filament yarns and textile monofilaments from polypropylene. The initial manufacture of polypropylene fiber is being undertaken at Wilton, but the company states that it is possible that this fiber will also be manufactured at Kilroot in due course.

# Acetate Yarn Deliveries Rose 4% In February

U. S. producers' domestic and export deliveries of acetate yarn in February were 17,200,000 pounds, an increase of four per cent from January's 16,600,000 pounds, the Textile Economics Bureau reported.

Shipment to domestic users totaled 16,700,000 pounds and exports were 500,000 pounds. For rayon yarn and staple combined, February shipments at 58,200,000 pounds were six per cent below January's 62,000,000 pounds. Of the total acetate yarn and fiber shipped last month, 72,500,000 pounds went to domestic producers and 2,900,000 pounds were exported.

February shipments of high tenacity rayon yarn were 20,-500,000 pounds, a decline of 13 per cent from January's 23,-500,000 pounds. February shipments included 18,300,000 pounds for domestic producers and 2,200,000 for export.

Deliveries of regular and intermediate tenacity rayon yarn in February amounted to 11,-400,000 pounds only marginally

(Continued on Page 27)

# PREMIER FRENCH ZEPHYR

1/20's to 2/60's

ZEPHYR HEATHERS FRENCH SPUN 11½'s TEXTRALIZED® NYLON

For High Quality BAN-LON® Products
TOW-HUE TURBO ORLON® ACRYLIC

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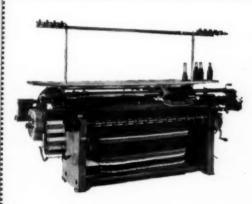
The IRVING COHEN YARN CORP.

French and American Spun Yarns
IT COSTS LESS TO USE THE BEST

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# ALEMANNIA—SEYFERT & DONNER WEST

The only single lock flat power machine with 71" NEEDLE BEDS

63" Needle Beds also available

Additional needle space for more economical production of trimmings and garments.

Built in 3-14 cut.

MODERN — VERSATILE — EASY TO HANDLE

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are available on a first-come first-served basis . . .

# GET YOUR COPY NOW . . .

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KNIT GOODS ENCYCLOPEDIA, REFERENCE BOOK, TECHNICAL MANUAL, DESK DIRECTORY and BUYERS' GUIDE

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# HERE'S AN OUTLINE OF THE PARTIAL CONTENTS OF THE 1961 "YEARBOOK"

### KNITTING SECTION

"Principles of Double Jersey Manufacture"

"Characteristics of Basic Double Jersey Stitches"

"Specifications and Features of Double Jersey Knitting Machines"

"Yorn Speed Meters for Control of Knitting Quality"

"Facts About V-Bed Border Machines"

"Knitting Glossory"

### SEWING SECTION

"How to Lay Out a Knitwear and Swimwear Department"

"Facts About Sawing Machines Used in Knitwear and Swimwear"

"Looping Machines for Attaching Collars on Seaming Sweaters"

"Glossary of Basic Sewing Stitches"

### FIBER AND YARN SECTION

"Orlon Fiber Types for Knitwear"

"Chemstrand Fiber Types for Knitted Outerwear"

"Properties of Synthetic Fibers"

"Knitting Orlan Savelle"

"The Woolen System of Spinning-Picture Story"

"The Worsted System of Spinning-Picture Story"

"Facts About Cellulosic and Non-Cellulosic Synthetic Staple Fibers"

"Facts About Foreign Non-Cellulosic Synthetic Staple Fibers"

"Facts About Continuous Filament Synthetic Yarns"

"Comparison of Spinning Systems for Orlon"

"Fiber and Yarn Glossary"

# DYEING AND FINISHING SECTION

"Dyeing and Finishing Knitwear of Orlan Sayelle"

"Procedure for Piece Dyeing Sweaters of Acrilan"

"Dyeing and Finishing of Knit Fabrics of Arnel and Arnel 60"

"Fiber Reactive Dves for Cotton and Rayon Knitwear"

"Procedure for Finishing Double Jersey Knitted Fabrics"

"Package Dyeing of Orlon Yarns"

"Facts About Wool Shrinkage Control Methods"

"Facts About Cationic Softeners for Sweaters"

"Glossary of Dyeing Terms"

### SWIMWEAR SECTION

"How a Knitted Swim Suit is Made"

"Knitting of Elasticized Loop Fabrics for Swimwear"

"Facts About Knitting Machines for the Manufacture of Swimwear"

"Swimwear Glossary"

# BRAND NAMES DIRECTORY

Including this year, a carefully-compiled section on Knitting Yarn Trade Names.

# PLUS... the most comprehensive BUYERS' GUIDE ever compiled!

This is the "WHERE-TO-FIND-IT" SECTION that's specifically designed for the knitwear and swimwear trade . . . listing ALL MAJOR SUPPLIERS of hundreds of different kinds of machinery, equipment, yarns and supplies—and service firms. All listings are current and accurate . . . all classifications relevant to knitwear and swimwear.

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lower than January's total. Domestic deliveries for February were 11,300,000 pounds and exports 100,000 pounds.

Rayon staple and tow shipments amounted 26,300,000 pounds in February, 100,000 pounds of which was exported and the rest sent to domestic producers. The total slightly lower than the 27,000,000 pounds delivered in January.

Combined shipments of acetate yarns and rayon at 75,400,000 pounds in February exceeded production by 2,700,000 pounds, thus producers' stock of fiber declined by the same amount to the level at the end of February, 118,300,000 pounds.

# Celanese To Produce Nytril Fiber Abroad

Plans for a new fiber manufacturing and marketing venture in Europe have been announced jointly by Celanese Corporation of America and Farbwerke Hoechst AG of Germany.

Celanese's nytril fiber, Darven, will be produced under the trade mark Travis, by Bobina Waserwerke G.m.b.H. and marketed by Hoechst. Bobina is a new company jointly owned by Celanese and Hoechst. Production will be started at Bobingen, Bavaria, during the first quarter of 1962, with plans for eventual production capacity of 32,000,000 pounds annually.

# Packaging

# Jantzen Packages Win Trade Association Prizes

CHICAGO, III. — Jantzen, Inc., packages won two of seven awards at the annual meeting of the Folding Paper Box Association of America.

The packaging for Jantzen's sports brief swim suit, designed and manufactured by Atlantic Carton Corp., Norwich, Conn., won first prize for one color letterpress printing.

The package for the women's sports brief and free style racing suit and the men's free style racing suit, supporter and supporter brief won first award for general merchandising superiority in textiles and apparel. The package was designed by Douglas Lynch, art director of Jantzen, and manufactured by Container Corporation of America, Renton, Wash.

Now Spinning . . . For Prompt Delivery

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SKEIN DYED On Cones . . . and Natural

# Delaine worsted MILLS, INC.

GASTONIA, N. C.



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# **CUSTOMADE YARNS**

Worsted-Synthetic-Blends for

KNITTING & WEAVING

Customstyled Worsted and Mohair Blends for Shetlands and Brushed Knitted and Woven Fabrics. Customade Yarns for Double Jersey Fabrics. Fine Zephyrs for All Purposes.

### BUCKNER - HOWARD & COMPANY

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# An Invitation . . .

You are invited to visit the Merrow booth — #135 — at the Knitting Arts Exhibition this month.

We'll be glad to show you "What's New" and talk over any overstitching, shell stitch, overseaming or other special edge finishing applications you have in mind.





# **Dyes & Chemicals**

# Eastern Color Issues Finish And Weighter

PROVIDENCE, R. I.—Two new products have been made available by the Eastern Color & Chemical Company. They are Ecco Ribbon Finish, a highly condensed thermoplastic resin for synthetic fabrics, and Ecco Weighter OVD for cotton and synthetics.

Ecco Ribbon Finish is said to give a stiff, wiry finish to synthetics and to have binding properties that prevent edge raveling. The highly condensed thermoplastic resin of this film forming product deposits a clear light colored film which reportedly does not effect the gloss or luster of fabrics.

Finish contains no oxidizable material, thereby minimizing the danger of discoloration in storage. The manufacturer says it is stable in normal storage conditions in closed containers for six to nine months.

It produces a durable organdy finish with rustle qualities on print fabrics, according to the company. Ecco Weighter OVD impars fullness of body and weight to cotton and synthetic fabrics with a minimum effect on shades of colored fabrics and with a moderate amount of stiffening, the company says. It is a water-soluble, granular solid compatible with softeners, finishing oils and most other auxilliaries and may be used in combinations to give a variety of finished hand.

The manufacturer says it is dissolved by agitating in water previously warmed to 55-60°C and then applied by padding or in a quetsch at approvimately 130°F. ((55°C.) with other finishing agents. Normal drying conditions are sufficient.

# Make Color Promotions Specific, Consultant Says

Promotion of color in textiles must be geared to the specific needs of a specific market in order to show up in higher profit margins and larger sales volume, according to Arthur N. Adlman, senior associate, Werner Textile Consultants, New York.

At a dinner meeting of the (Continued on Next Page)

# DUBIED

# FULL AUTOMATIC MACHINE WITH TWIN CARRIAGES

Needlebeds in 2 sections of 24", 30" and 34" width each.

HIGH PRODUCTION MACHINE FOR FANCY TRIMMINGS, COLLARS OR RIBBED BOTTOMS AND CUFFS.

Minimum loss of floor space.
EASY AND ECONOMICAL TO OPERATE.

Direct threading of yarn from tension to feeders.

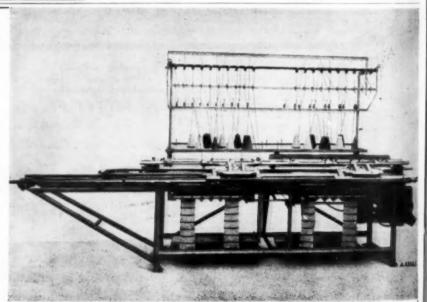
PIECES OF UNIFORM LENGTH, REG-ULARITY OF STITCHES.

Two-speed motor for knitting of loose course. SECURITY OF KNITTING. LESS STRAIN ON WEAK YARNS.

D B - with high and low butt needles.

D S B - with independent high or low butt selection.

D R B — with independent high or low butt selection
and stitch transfer from front to rear and
from rear to front.



# DUBIED M

MACHINERY CO.

21-31 46th Ave., Long Island City 1, N. Y. Ravenswood 9-6361 Metri Amerile ( Roch man mark auspi the m est po stuffs He

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Metropolitan Section of the imparts American Association of Texeight to tile Chemists and Colorists at fabrics Rochelle Park, N. J., Mr. Adlman urged the formation of a with a marketing committee under the auspices of the AATCC to study the markets that offer the greatcompaest potential for the use of dye-

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TIMES

He said more and more textile men realize the power of color in their marketing and merchandising concepts. "Color is not only required to sell a product, but it must keep the product sold and create additional sales. However, promotion of color per se is ineffectual. To be meaningful in the cash register, the promotion must be geared to a pre-selected and well defined market."

Mr. Adlman suggested a thorough analysis of end-use categories before further color penetration of a market is attempted. Once the potential market has been pin-pointed, he said, color penetration can be attempted by converting white into color, pastels to darker shades and more products to fast colors.

# Jackson Bauer Named Quaker Research Head

PHILADELPHIA, Pa. Quaker Chemical Products Corporation, Conshohocken, Pa., has appointed Jackson Bauer director of textile research and development. He was with Collins & Aikman Corporation as director of research and manager of product development, automotive division, Albemarle, N. C.

# New Supralan Brown

General Dyestuff Company, a division of General Aniline & Film Corporation, has named a new brown dye Supralan Brown RB-CF. It is a neutral-dyeing metallized acid dyestuff offering a bright medium brown shade on wool, silk, nylon, acrylic and modacrylic fibers.

# Sandoz Issues Folder

A Sandoz Inc., folder that describes the use of Drimarene dyestuffs for dyeing cotton and regenerated cellulosic fibers by the Pad-Roll process has been made available to dyers and finishers using fiber reactive dyes.



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KNITTING ARTS EXIBITION

Atlantic City, N. J., April 24-28, 1961



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- . Fine Worsteds
- . Orlon Sayelle®
- · Arnel®
- · Arnel®/Cotton
- · Fur Blends
- As Well as Zefran, Cresian, Dacron,
   Orlon, nylon, cotton, wool, rayon, etc.

Globe personnel will be on hand to extend you a most warm welcome — and also to discuss any problems concerning color or yarm which you may have.

We'll be looking for you.

# GLOBE DYE WORKS CO.

4500 Worth Street, Philadelphia 24, Pa.

# **Embroidery**

# Pearl Modernizing Increases Output

PHILADELPHIA, Pa.— Pearl Emboridery Company will completely streamline its entire operation and double its production facilities when the firm moves to a new, ultra-modern plant at 15th and Mt. Vernon Sts., here, on June 1.

Irving Malerman, executive head of the firm which provides a complete trimming design and production service for the knitted outerwear and apparel industries, said new equipment will be added.

He said a number of innovations will be made in the new quarters which will increase efficiency of all operations, permit use of new production techniques and afford customers a complete service under one roof.

Pearl Embroidery will have 14,000 square feet of space on a single floor in the new location. This is nearly double the present space at 728 Cherry Street.

Among the services the firm provides are Bonnaz and Applique embroideries, silk-screening, shiffli, tucking and all variety of fancy stitching. An entire service from styling, design and production of a sample which will, on the one piece, utilize more than one medium, will be possible in the new plant.

# Trade Education

# Prof. Edman To Conduct Class In Warp Knitting

Thomas Edman, Professor of Knitting at the Philadelphia College of Textiles and Science, will conduct a special course on warp knitting design analysis at the Kidde Textile Machinery Corporation, Bloomfield, N. J.

Classes will be held on four Saturdays—April 8, 15, 22 and 29—from 9:00 A. M. to 5:00 P. M. Fee for the course is \$40.

# Exports

# Industry And U. S. Confer On Obstacles

WASHINGTON, D.C.—Export trade promotion conferences between representatives of industry and the Department of Commerce have resulted in recommendations for action on such problems as burdensome foreign tariffs, restrictive quotas and import license procedures.

Representatives of the National Knitted Outerwear Association were among the more than 500 industry representatives who attended 35 conferences in the past 11 months.

Almost without exception, industry spokesman said the greatest need was for improved credit facilities. "Great progress was made by the Export-Import Bank in procedures for short-and-medium-term credits and for insurance protection against political risks," the Department reported.

ment reported.

The Department suggested that businessmen may be apprised of these developments at a participating bank in their area or at the Export-Import Bank.

On restrictions imposed in foreign countries on American imports, the U. S. has incorporated many of the conference recommendations in its position papers for negotiation at the General Agreements on Tariffs

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and Trade (GATT) conference in Geneva.

"Exports continue upward; efforts of the Department of Commerce to help industry expand exports likewise are continuing," said a Department of Commerce spokesman in soliciting comments and suggestions.

# **Equipment Firms**

# Foster Machine To Set Up Repair Parts Warehouse

WESTFIELD, Mass. — Foster Machine Company will operate a repair parts warehouse in Belmont N. C., to service the many installations of Foster winders in the southeastern United States.

Acreage located on Route 85 at the Belmont Interchange has been acquired. The facility will include facilities for an office and showroom.

# Yarn Suppliers

# Ira Schwartz To Confer With Tycora Affiliates

PHILADELPHIA, Pa.—Ira Schwartz, president of Textured Yarn Company, manufacturers of continuous filament yarns under the Tycora trade name, leaves with his wife on April 14, for a month-long business and vacation trip. He will said on the S. S. United States.

Mr. Schwartz will visit European Tycora affiliates while Mrs. Schwartz, who is president of the Philadelphia Settlement Music Alumni and vice-president of the Settlement Music School, will be visiting family and music conservatories lining up the Settlement's fall music programs.

# Wholesaling

# 3 Knitting Mills Appoint Markovitz Distributor

PHILADELPHIA, Pa. — Markovitz Bros. has been appointed exclusive distributor for Zwicker Knitting Mills, Standard Knitting Mills, and Hanes Infantswear in eastern Pennsylvania and nearby areas.

Zwicker, of Appleton, Wis., produces knit gloves. Markovitz will distribute these under the Embry brand name.

Standard makes Health Knit knitted goods, underwear and sleepwear. Hanes knits underwear, sleepwear and jackets.

# WE'VE GOT SOMETHING FOR YOU TO SEE!

at the KNITTING ARTS EXHIBITION
Atlantic City, April 24-28

**BOOTH #161** 

**TERROT RMR.** Versatile, high-speed Jacquard piqué knitter.

TERROT IZ SPECIAL. 36 FEED HIGH-SPEED double piqué machine.

**TERROT IM4F.** 24 feed, with 4-color stripers each feed. Tremendous design possibilities.

ALSO PIQUE FINISHING EQUIPMENT

# SPEIZMAN KNITTING MACHINE CORP.

Empire State Bldg., Suite 4923, New York 1, N. Y. PE. 6-0451



SAVES TIME-SAVES MONEY

• Feeds up to 120,000 buttons per day

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• Quiet and vibrationless feeding

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 Processes shank buttons of different styles & sizes

Motorized for added efficiency

 Available with our sparkling Polyester GEMPEARLS®



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\*Fashion-Right and Quality Controlled

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Largest Package Dyers in the World of Natural and Synthetic Fiber Spun Yarns for More Than Half a Century

DIVISION OF INDIAN HEAD MILLS, INC.

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BOOTH 741
KNITTING ARTS EXHIBITION

Color is the greatest sales builder in textiles today. But it must be the RIGHT color and the RIGHT shade. Give your salesmen the right colors and the right shades in your merchandise, tell them that the colors ARE right and why, and they will not disappoint you.

In Franklin Colorbred Yarns we offer you a selection of the right colors and the right shades. The colors and shades are right because they have been specified by fashion experts, alert to color trends throughout the fashion world. Use Franklin Colorbred Yarns and you won't be "following the leader"; you will be OUT IN FRONT!



If you do not have a copy of our latest seasonal color card, send for one today.

X-ray view of Franklin Package – the "secret" of uniform shades. Don't say "package dyed". Say "FRANKLIN COLORBRED"

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# Women's & Misses'

# Handmacher Collection Promoted In Syracuse

SYRACUSE, N. Y .- Flah & Co.'s spring Handmacher collection, including double knit jersey coats and suits, has had vigorous promotion.

A five-column by nine-inch newspaper ad, emphasizing the importance of women's knit coats for travel, showed a golden button classic in red, chamois, navy and beige and a tweed wrap, available in brown, gray or green, both at \$60.

This was followed by a threequarter page ad calling attention to the company's complete Handmacher collection.

Aithough hot pinks, neutral beiges, gray, navy and black were all doing well, buyer Mollie Brautman reported the golden button classic coat especially popular in chamois and

According to Mrs. Bert Shanley, another Flah buyer, a single-color knit costume suit. scoop-neck elasticized waistline sheath with Chanel-type jacket, a \$69 retailer in half-sizes, is another best seller.

The promotion, termed "very successful in its immediate response," tied in department and window displays with newspaper copy.

# Lunchtime Fashion Show A Successful Promotion

SYRACUSE, N. Y. - A three-piece 100 per cent wool knit by Anne David was among a dozen costumes for career girls in C. E. Chappell & Sons' first midday fashion show March 22.

The Wednesday noon Fashion Floor programs, geared to show 12 outfits in 15 minutes, are supervised by Mrs. Jessie Wolff, the store's fashion coordinator, and will take place every other week for the next few months. Models are selected personally by Mrs. Wolff from nearby banks and offices. Tickets at 50 cents each entitle the holder to a reserved seat and boxed lunch.

The double knit Anne David, consisted of slim skirt, sleeveless overblouse and Chaneltype jacket in a fleur de lis print.

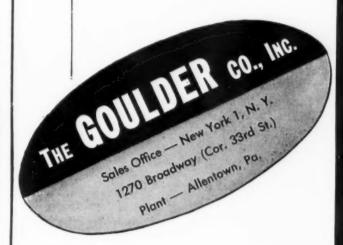
# RelyABILITY KNOW-how Experience

are

"BUY" words

when YOU

deal with



# MANUFACTURERS OF

KNITTED CASUAL

**SPORTSWEAR** 

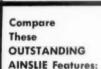
featuring

"PERMATHAL-EVERGLAZE"

Shrink-Controlled **Cotton Knits** 

# NEW!! AINSLIE'S DOUBLE-HEAD **BORDER MACHINE**





- 1. Tough, tool steel heds.
- Selective racking over 3 needles.
- 3. Ball bearing carriages. 4. Ainslie springless drop
- cams.
- 5. Front auxiliary cams.
- Quick detachable car-riage.
- Rear, adjustable crank drive.
- Direct motor drive.
- Instantaneous braking.
- Improved stop motions.

11. Variable speed drive. The AINSLIE high speed double-head machine will make rib,

cardigan, and half-cardigan borders in any width up to NINE inches. 8 and 10 gage machines in stock, other popular gages Call or write Dept. A for full information.



750 Grand Street EVergreen 7-3497 Brooklyn 11, N. Y.

# OUR <u>NATURAL</u> NYLON RIBBONS

are excellent for

TYCORA°

and

BAN-LON® SWEATERS

in #3, #4 and #5 widths



# Children's Wear

# Taslanized, Brushed And Tow-Dyed Yarns In Jantzen's Colorful Line

For girls and preteens, Jantzen, Inc., is offering a collection of plain and fancy sweaters, many of which incorporate characteristics of their women's and misses' line. Brilliant colors such as winter orange and bright gold share honors alongside highlighted shades of pink, green, blue and ginger. Orlon is the favored fiber for this collection, but it undergoes a variety of processes that change its appearance so that it hardly seems to be the same fiber. Flat, brushed and Taslanized Orlon are three of the processes. Acrilan is also used for sweaters, and nylon Helanca textured filament yarn is knitted into twoway stretch slacks for this age group. The slacks feature a foot strap and elasticized waist for secure, good fit.

Jantzen is capitalizing on their expectations that patterned knits will outsell solids. They stress allovers and partially patterned jacquards knitted of all fibers for all ages.

Tow-dyed brushed Orlon is used for patterned jacquards. An allover snowflake design is offered in brown, rust, blue or green. Also tow-dyed but flat surfaced Orlon is used for a boatneck, long-sleeved pullover. The allover design here is a three-color Norwegian type jacquard. This sweater is accessorized with a cap having the jacquard design within a solid background.

Also in flat knit Orlon is another three-color, X-design jacquard which is offset by a solid color cowl collar, cuffs and lower edge.

In order to get three perfect shades of a particular color into a garment, the cross-dyeing process is used. Three types of Acrilan are knitted into a sweater and when it is dyed, each absorbs the dye differently and the desired effect is thus

(Continued on Next Page)

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# **EFFICIENCY DEVICES**

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obtained. Jantzen used this process for many patterned cardigan and pullovers with stovepipe and standaway collars.

For the first time, Jantzen is knitting sweaters of Taslanized Orlon. In order to get the desired effect, the yarn undergoes a process during which jets of air are blown onto it while it passes from the supply bobbins or pirns to the put-up cones or tubes. The result of this air blowing is to create many tiny loops on individual filaments of the yarn with only a few of the filaments in the yarn looped at any one point. As a result, there are relatively long, straight sections between each loop of any single filament.

A highlight of the Taslanized Orlon group are cardigans and pullovers with jacquard designs on vokes that are knitted in one piece with the sweater body. These sweaters, with a definite hand knit look, have solid ribbing at neck, cuffs, lower edge

and cardigan front.

Taslanized Orlon also imparts a Shetland look to pullover and Brooks-type cardigan classics. Pullovers have a looped crew neck and the cardigan is defined

by its outside grosgrain ribbon. Orlon flat knits include, in addition to clasics, two threequarter sleeve pullovers - one with a Bermuda collar.

Orlon bulkies that look heavy, but are surprisingly light are especially important for the young set. Highlights here are a jewel neck cardigan knitted in a half cardigan stitch and detailed with hand crocheted trim at the neck, a giant bulky striped cardigan with three-quarter sleeves and standaway neck and a crew neck pullover designed in allover giant cables.

For girls, Jantzen repeats many of the tweed Orlons found in the women's line. Exact reproductions are a longsleeved, V-neck pullover and a zipper cardigan with solid trim around the jewel neck.

Fur blends for girls are composed of 70 per cent lamb's wool, 20 per cent wool and 10 per cent nylon. In addition to a classic, long-sleeved pullover, there is also a three-quarter sleeve pullover with side bow tie detail and a wing-collared cardigan with pocket detail at the waistline.

Jantzen teams these fur blend sweaters with stretch pants designed in flower jacquards and herringbone stripes. All pants have the removable foot tab. They come in girls' and teen sizes

For younger girls, many of the aforementioned sweaters are repeated. Of 100 per cent towdyed Orlon are a jewel neck cardigan and a turtleneck pullover which have the jacquard yoke.

In the 7-14 range, allover Scandinavian designs appear on brushed Orlon boatneck pullovers. Color combinations are red, pink and purple and brown orange and gold.

A lightly brushed Orlon cardigan is designed in a block patterned jacquard offset by a solid collar.

Unusual stitch structures appear on two Orlon bulkies: one is a three-quarter sleeve pullover with a convertible collar that is knitted in a lacy trellis stitch and a cardigan whose neck is trimmed in crochet.

### Fete For Solomon

(Continued from Page 1) tion as president of the Elite Club, Brooklyn, will be cele-brated May 11. The correct number of the anniversary is the 50th.

Also, the name of Mac M. Rothkopf was inadvertently omitted from the list of those who will attend the celebration.

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# Yarn Processing

# Roberts Develops Spinning System

SANFORD, N. C. - A new design drafting system for spinning cotton and staple synthetic yarns has been put into production by Roberts Company, textile machinery manufacturer.

# New Weighing Arrangement

The system, designated Roberts FC Drafting, has a cartridge weighting arrangement that eliminates all weighting attachments to the roll beam and disposes of the conventional lever screws, weight levers, weight hooks and dead weights, the company announced.

A double apron, high draft system with PosiWate pendular arm suspension, FC Drafting handles coarse or fine yarns from 2s to 120s count, cotton or synthetics and blends, and a broad range of drafts from 10 to 60. It provides fiber control, fiber gripping and weight, without using short springs, weights or magnets.

FC Drafting can be arranged to handle short or long staple

cotton, and synthetic fibers from one and nine-sixteenths inch to three inches long, with a choice of cradle lengths and solid or recessed apron top rolls.

The enclosed spring cartridge attaches to a cartridge bar fastened between roll stands. A simple cartridge lever is depressed to weight up or unweight the top rolls.

By clearing the roll beam of all weight attachments, the cartridge weighting arrangement is said to eliminate a source of lint catching. The simple assembly, nylon cradles, elimination of cap bars and absence of oil in the entire drafting zone contribute, the company says, to making this system clean running and easy to clean.

# Increased Advantages

The elimination of weight levers, hooks, screws and dead weights also removes a substantial source of inconsistency in weighting and reduces total weight on the machine by threequarters of a ton per spinning frame. With no dead weights to bounce up and down, the danger of wave action in the yarn is

(Continued on Next Page)

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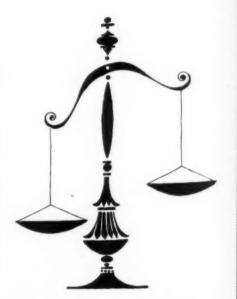
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With FC Drafting, a total weight of 72 pounds is recommended for cotton, distributed 42 per cent front, 30 per cent middle and 28 per cent back. For synthetic fibers up to 3 inch. larger cots and heavier weighting

totaling 100 pounds should be used To clean the weight cartridge lever is depressed, the pendular arm raised, and the apron roll ige) lifted out of the cradle and aprons. Tension pins are removed, permitting the top apron and cradle to be lifted off. Cots may be buffed on standard

equipment, with tolerances of .001 inch straightness.

Three roll stand bearings for bottom rolls, each eliminating oiling, are available on FC Drafting. These include plain bearing slides, ball bearings on all three bottom roll lines, or ball bearing bottom roll mountings for the front line only in combination with grease lubricated middle and back slides.

removed, according to the com-

The new Roberts design drafting system for spinning

Roberts top rolls, with double row ball bearing construction handle the heavier weighting

# Automatic Knitting Unit Among New Patents

specified for close fiber control.

(Continued from Page 9)

supported by the narrowing mechanism, coextensive in length with the needle bar, has points thereon equal in number to one-half the number of needles, and are mutually spaced a distance corresponding to two needle spacings and positioned to cooperate respectively with alternate needles. Additional cam means carried by the cam shaft operate to move the point bar and cause the points to close the beards on the alternate needles during the knitting of each successive course. Means also are provided to inactivate the point bar, whereby the machine may knit selectively full or onehalf gauge fabric depending on the use or non-use of the point bar during the knitting cycle.



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5,300 lbs.—24/1 50% C.P. Cotton, 50% Coloray (solution dyed rayon),

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8,600 lbs.—1/5. 25, heather, 6 denier Orlon
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by pound and finishing plant. Have all kinds Jacquard machines, Brinton and Interlock.

**BOX 151** 

# CONTRACTOR WANTED

91/2 to 12 cut machines for quality ladies' sweaters.

**BOX 152** 

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Seeks complete or partial finishing on ladies' and children's sweaters. Our modern and complete plant, plus our experienced help and management, assures you first quality workmanship. GL 2-4343

### PRODUCTION AVAILABLE

on 4 cut Supreme bulky with pattern wheels. Will contract or sell garment outright. Currently running men's and boys'.

**BOX 159** 

# CONTRACTOR SEEKS ADDITIONAL WORK

on bulky sweaters: ladies' sizes 34-40, men's and boys', children's sizes 7-14.

**BOX 150C** 

HELP WANTED

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Excellent opportunity for experienced full fashioned sweater fixer with administrative abilities. Branded manufacturer of women's wool and synthetic sweaters desires to add top flight fixer to its staff.

Only applicants with fixing experience on sweater machines will be considered. Salary commensurate with experience.

Send resume including salary requirements to

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### WANTED - YARN ROOM SUPERVISOR

Leading textile manufacturer seeks man with experience essential in handling yarn and controlling yarn inventory for large circular knitting mill. Some knowledge of winding and spinning procedures desirable.

Outstanding opportunity for qualified individual. Excellent salary for person capable of assuming full responsibility.

BOX 140GG

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Are you a Plant Manager who feels he cannot go any further in his present position? Are you an experienced and capable Assistant Plant Manager who is ready to assume more responsibility?

Are you running your own business and feel that you are not making any headway?

We are a large progressive plant manufacturing men's and boy's sweaters. We are seeking a man on a permanent basis who will be assured of a sound financial future with a national organization.

All replies confidential.

**BOX 140V** 

### PLANT MANAGER WANTED

We require a top-notch executive to operate our modern, well located plant. Our man must have a basic knowledge of yarns and be thoroughly experienced in circular and flat knitting, cutting, pattern making, sewing, finishing, methods production and quality control. We offer a permanent position, attractive working conditions and a liberal salary.

Send complete resume.

**BOX 154** 

### WANTED - YARN MAN

One of the larger sweater mills in the Philadelphia area has an opening for an expert yarn man with experience in handling a large yarn department, and knowledge of controlling yields and smooth flow of yarns through the plant. Can have a permanent position and an excellent opportunity in our organization. Please give complete details of your background and experience in first letter. All replies held in strict confidence.

**BOX 150J** 

# DESIGNER-KNITTED FABRICS WANTED

Excellent opportunity for individual with experience in designing knitted fabrics, to join progressive, expanding, completely integrated large knitting mill.

Location: New York City.

Give complete details of experience.

**BOX 153** 

### WANTED

Aggressive salesman to carry knitted fabric line with reputable firm in metropolitan area. Outstanding apportunity for qualified individual. State experience and references. All replies confidential.

BOX 150

# CUTTING FOREMAN WANTED

Capable of assuming responsibility of large mill manufacturing knitted suits and dresses.

**BOX 132** 

### JACQUARD TJ FOREMAN WANTED

Must be experienced on TJ's with ability to make patterns, set up machines and supervise personnel. Reply stating past experience, salary requested. All replies in strict confidence. Reply.

**BOX 144** 

POSITIONS WANTED

# SUCCESSFUL KNITWEAR PRODUCTION EXECUTIVE AVAILABLE

Background of proven success — producing garments for well known brand distributors of Knitted Outerwear. Can handle operation from yarn to box. Knowledge of various types of knitting machines and allied equipment.

Will entertain proposition with or without investment. Willing to settle permanently on Pacific Coast or Midwestern States.

**BOX 142** 

### PATTERN MAKER AVAILABLE

Pattern maker, marker and grader on all types of knitted dresses and suits, flats and circular knitted cloth. Long experience.

**BOX 150K** 

# STYLIST - PRODUCTION MAN AVAILABLE

with thorough knowledge of cost, yarn, quality control, styling and pattern-making.

BOX 90E

### GRADUATE TEXTILE ENGINEER

Thoroughly familiar with all phases of Tricot Industry, desires challenging position with future. Will relocate.

**BOX 156** 

# Plant Manager—Industrial Engineer Available

Extensive high level background in novelty styled apparel. Can assume full charge of large volume operation. Past record of proven success with nationally branded apparel. Age: 38.

**BOX 155** 

# MECHANIC AVAILABLE

on Ordnance Gauge TA's, TAI's, Philips, Scott & Williams and flats.

**BOX 158** 

### DESIGNER AVAILABLE

for free lance work. Children's and women's knitwear. Knowledge of all knitting equipment. Creates stitches and styles.

**BOX 150D** 

### PRODUCTION MANAGER AVAILABLE

Ladies' full fashioned and cut and sewn sweaters. Can take complete charge from looping to finished product. Familiar with all yarns and styles. Will relocate with reliable firm.

**BOX 150E** 

# TRADE WANTS

RATES: one insertion—35 cents per word. Words set completely in capitals — 40 cents per word. Box numbers count as two words. Minimum cost of advertisement—55.50. Minimum cost of Positions Wanted advertisements—55.00. Trade Wants for Monday's paper must be in by preceding Wednesday. 2 P.M. Please enclose payment with your order.

Looping Wanted: 7 point Sotco and P 7 and 15 point. Collars, plackets. Sanders Looping, 270 Irving Ave., Brooklyn, N. Y. HYacinth 7-7924.

Work wanted on sweaters of Ban-Lon and Orlon and bulkies on Supreme 5 cut machines. Ladies' and children's. Box 150L

CONTRACT WORK WANTED. FINISHING ONLY, ON ALL TYPES OF SWEATERS. BOX 150M

Contract work wanted. Knitting and finishing for all types interlock knit goods. Ladies', children's and men's shirts. Knitting only. Box 150N KNITTER - MECHANIC available on all kinds of flat machines. Call after 8 P.M. EXeter 2-3296

Contractor wants work. Have excellent quality controlled sewing operation on all kinds of sweaters. Box 150P

Will sell entire plant or single 7 gauge machines for bulkies, trimmings. Box 150Q

CONTRACT WORK WANTED:
MILL PRODUCING MEN'S AND
BOYS' BULKY KNITS, CARDIGANS, SLIPOVERS, SHAWL,
HIGH V, BOATNECK, ETC.
ALSO KNITTING ON H.C. OR
NAILHEADSTITCHES. BOX 150R

### PRODUCTION FOREMAN SEEKS POSITION

Over 20 years experience in men's, ladies' and boys' sweaters and sportswear. Can take care of a complete mill. Also experienced in pattern making. Will relocate.

**BOX 150F** 

### POSITION WANTED

Man fully experienced in the production dyeing of wool, cashmere and fur blend sweaters. Fully capable of setting up laboratory for formulation and color matching to tie in with production.

**BOX 150G** 

S.RVICLS, SUPPLIES, FOR SALE

# SAM STARK specializing in CREATIVE JACQUARD DESIGNS

60 Clarkson Ave., Brooklyn 26, N. Y. IN 9-8554 Aft. 3 P.M.

LOSE-OUTS WANTED

# CLOSE-OUTS WANTED

CASH PAID for surplus stocks of Sweaters and Bathing Suits.

BERNETTE TEXTILE COMPANY

101 W. 31 St., New York City

BRunnt 9-5526-7

### KNIT FABRICS CLOSE-OUTS WANTED

Top prices for solids, stripes and fancies.

S. LEVINE AND SONS

639 N. 2nd St., Allentown, Pa., HEmlock 5-3578

KNITTED OUTERWEAR TIMES

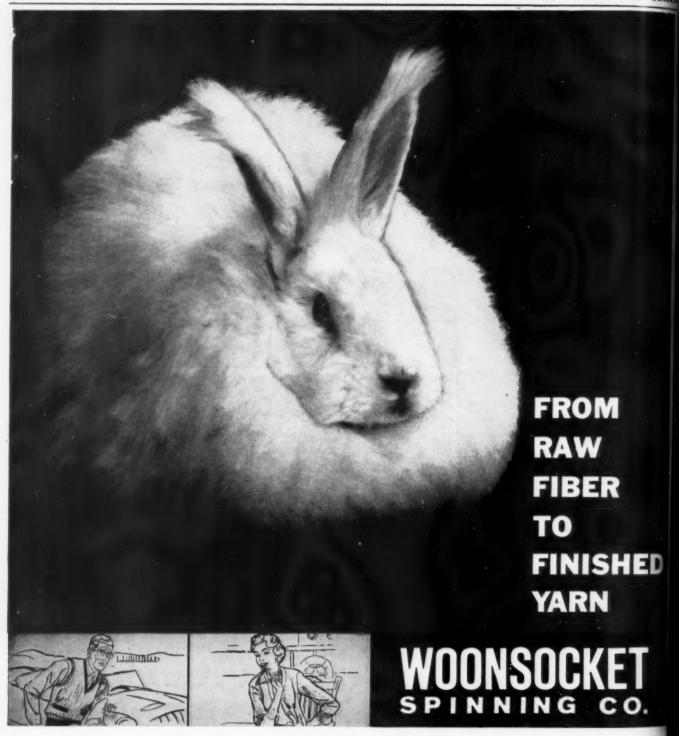
386 Park Ave. South, New York 16, N. Y.

Please enter our subscription to the Knitted Outerwear Times for one year. Check is enclosed. Domestic — \$10.00 per year; Canada-Foreign — \$15.00 per year.

Name												*	*	*	*					
Address.																				

TIMES available nes. Call ve excel-ing oper-ters. Box single 7 es, trim-ANTED: I'S AND CARDI-SHAWL, ETC. OX 150R II. e. English Rib Grenedine Single Pique Jacquard Relief Cardigan Double Pique 6 Color Jacquard MORAT Welt l bottom Jersey Double Jersey Blister 4 Color Jacquard Tuck Jacquard Full Automatic Interlock Birds Eye Miss 2 Color Jacquard Tubular Bottom Knit B Color Jacquard Tuck »Webstrick« Moranit Stoneknit A CONTRACTOR P.M. D MADE EXPRESSLY FOR STONEHILL

TIME



When you buy from Woonsocket you are buying the best! Whether it be <u>cashmere</u>, <u>camels hair</u>, <u>angora</u>, <u>furblends</u>, <u>mohair</u>, <u>lambs wool</u> or <u>other specialty yarn</u>, Woonsocket begins with the world's finest fibers. Woonsocket processes them in its own mills, under highly scientific control until the yarn is delivered promptly to your factory. Thus you are assured of an adaptable resource, able to meet the constantly changing demands of men's and women's fashions.

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Cynwyd ams St. r 9-310

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